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4, 7TH MAIN MALLESWARAM, BANGALORE -3

TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : **CP-2016-08-03-01** **Date: 07-08-2016**

Customer : Assistant Executive Engineer, Shettyhalli Sub Division, BBMP, Bangalore.

Address : Shettyhalli Sub Division, BBMP, Bangalore.

Project Name : Emergency Grant in ward No.12 (Repairs to Culverts and drain in ward No.12 of Shettyhalli Sub -Division.

Agency : Technical Manager(west), KRIDL, Project Implementation unit, No.280,59th cross, 17th 'C' Main Road, 3rd 'Y' Block, Rajajinagar. Bangalore-560010.

Source of Sample : Sample supplied by Agency

Sample Condition : Satisfactory

Date of Receipt : 03-08-2016

Sample ID No : 2016-08-03-01/01

Customer ID : Drain Concrete

Sample Type /Size : CC Cube (150X150X150mm)

Sample grade/Age : M20 / 7 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

Date of test : 06/08/2016

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Drain Concrete	M20	30/07/2016	06/08/2016	148.40 X 149.35 X 151.35	22164	8.16	347.8	15.7	15.7
2	Drain Concrete	M20	30/07/2016	06/08/2016	150.20 X 149.80 X 150.40	22500	8.104	360.4	16.0	
3	Drain Concrete	M20	30/07/2016	06/08/2016	151.40 X 151.20 X 149.80	22892	8.203	353.2	15.4	

Note:
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Prepared by
Harshitha

FOR CIVIL Pro.

CIVIL PRO Sig..... Date..... BANGALORE

R KARTHIK RECHAN
Authorized Signatory
Quality Manager

****End of Report****

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4, 7TH MAIN MALLESWARAM, BANGALORE -3

TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : **CP-2016-08-03-01**

Date: 27-08-2016

Customer : Assistant Executive Engineer, Shettyhalli Sub Division, BBMP, Bangalore.

Address : Shettyhalli Sub Division, BBMP, Bangalore.

Project Name : Emergency Grant in ward No.12 (Repairs to Culverts and drain in ward No.12 of Shettyhalli Sub -Division.

Agency : Technical Manager(west), KRIDL, Project Implementation unit, No.280,59th cross, 17th 'C' Main Road, 3rd 'Y' Block, Rajajinagar. Bangalore-560010.

Source of Sample : Sample supplied by Agency

Sample Condition : Satisfactory

Date of Receipt : 03-08-2016

Sample ID No : 2016-08-03-01/02

Customer ID : Drain Concrete

Sample Type /Size : CC Cube (150X150X150mm)

Sample grade/Age : M20 / 28 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

Date of test : 27/08/2016

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Drain Concrete	M20	30/07/2016	27/08/2016	149.80 X 151.20 X 150.40	22650	8.118	505.0	22.3	23.0
2	Drain Concrete	M20	30/07/2016	27/08/2016	150.40 X 151.40 X 149.90	22771	8.192	525.9	23.1	
3	Drain Concrete	M20	30/07/2016	27/08/2016	150.40 X 150.80 X 150.60	22680	8.158	535.2	23.6	

Note:

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Prepared by

Harshitha

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Quality Manager

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TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID	:	**CP-2016-08-16-01** **Date: 21-07-2016**
Customer	:	Assistant Executive Engineer, Shettyhalli Sub Division, BBMP, Bangalore.
Address	:	Shettyhalli Sub Division, BBMP, Bangalore.
Project Name	:	Emergency Grant in ward No.12 (Repairs to Culverts and drain in ward No.12 of Shettyhalli Sub -Division.
Agency	:	Technical Manager(west), KRIDL, Project Implementation unit, No.280,59th cross, 17th 'C' Main Road, 3rd 'Y' Block, Rajajinagar. Bangalore-560010.
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	16-08-2016
Sample ID No	:	2016-08-16-01/01
Customer ID	:	Drain Concrete
Sample Type /Size	:	CC Cube (150X150X150mm)
Sample grade/Age	:	M20 / 7 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5
Date of test	:	20/07/2016

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen	Cross sectional area	Weight of the sample	Failure Load	Compressive strength	Average Compressive Strength
					(mm)	(Sq.mm)	(kg)	(KN)	(N/mm^2)	(N/mm^2)
1	Drain Concrete	M20	13/07/2016	20/07/2016	149.65 X 148.40 X 150.42	22208	8.135	361.4	16.3	16.5
2	Drain Concrete	M20	13/07/2016	20/07/2016	151.20 X 149.35 X 151.35	22582	8.170	371.8	16.5	
3	Drain Concrete	M20	13/07/2016	20/07/2016	151.45 X 150.40 X 151.80	22778	8.165	379.6	16.7	

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Prepared by
Harshitha

FOR CIVIL Pro.
R. Karthik

R KARTHIK RECHAN
Authorized Signatory
Technical Manager

CIVIL Pro Sig..... Date..... BANGALORE

AE-12
ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಶೆಟ್ಟಿಹಳ್ಳಿ ಉಪವಿಭಾಗ, ದಾಸರಹಳ್ಳಿ ವಲಯ
ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ
ಎಸ್.ಎಂ. ರಸ್ತೆ, ರವೀಂದ್ರನಗರ, ಬೆಂಗಳೂರು

****End of Report****

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TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID	:	**CP-2016-08-16-01** **Date: 11-08-2016**
Customer	:	Assistant Executive Engineer, Shettyhalli Sub Division, BBMP, Bangalore.
Address	:	Shettyhalli Sub Division, BBMP, Bangalore.
Project Name	:	Emergency Grant in ward No.12 (Repairs to Culverts and drain in ward No.12 of Shettyhalli Sub -Division.
Agency	:	Technical Manager(west), KRIDL, Project Implementation unit, No.280,59th cross, 17th 'C' Main Road, 3rd 'Y' Block, Rajajinagar. Bangalore-560010.
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	16-08-2016
Sample ID No	:	2016-08-16-01/02
Customer ID	:	Drain Concrete
Sample Type /Size	:	CC Cube (150X150X150mm)
Sample grade/Age	:	M20 / 28 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5
Date of test	:	10/08/2016

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Drain Concrete	M20	13/07/2016	10/08/2016	149.60 X 150.20 X 150.35	22470	8.165	498.4	22.2	22.3
2	Drain Concrete	M20	13/07/2016	10/08/2016	150.40 X 151.40 X 150.40	22771	8.135	506.2	22.2	
3	Drain Concrete	M20	13/07/2016	10/08/2016	151.35 X 150.65 X 150.30	22801	8.19	512.4	22.5	

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Prepared by
Harshitha

CIVIL Pro Sig..... Date..... BANGALORE

FOR CIVIL Pro.

R KARTHIK RECHAN
Authorized Signatory
Quality Manager

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ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಶೆಟ್ಟಿಹಳ್ಳಿ ಉಪವಿಭಾಗ, ದಾಸರಹಳ್ಳಿ ವಲಯ
ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ
ಎಸ್.ಎಂ. ರಸ್ತೆ, ರವೀಂದ್ರನಗರ, ಬೆಂಗಳೂರು

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4, 7TH MAIN MALLESWARAM, BANGALORE -3

TEST RESULTS OF STEEL

Lab ID	:	**CP-2016-06-28-01** **Date: 02-07-16**
Customer	:	Assistant Executive Engineer, Shettyhalli Sub Division, BBMP, Bangalore.
Address	:	Shettyhalli Sub Division, BBMP, Bangalore.
Project Name	:	Emergency Grant in ward No.12 (Repairs to Culverts and drain in ward No.12 of Shettyhalli Sub -Division.
Agency	:	Technical Manager(west), KRIDL, Project Implementation unit, No.280,59th cross, 17th 'C' Main Road, 3rd 'Y' Block, Rajajinagar. Bangalore-560010.
Sourse of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	28-06-16
Sample ID No	:	2016-06-28-01/06
Sample Type	:	Indus, Fe500
Reference to BIS codes	:	IS 1786-2008
Date of test:	:	29-06-16

Sl.No	Identification of sample	Grade of the sample	Diameter of the steel bar	Weight of the sample (kg/m)	Yield stress (N/mm^2)	Tensile strength (N/mm^2)	Elongation (%)
1	Indus	Fe500	16mm	1.54	562	679	21.0%

Sl.No	Identification of sample	Grade of the sample	Diameter of the steel bar	Bend test	Rebend test
1	Indus	Fe500	16mm	Satisfactory	Satisfactory

Note

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Harshitha

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Authorized Signature
Quality Manager

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TEST RESULTS OF STEEL

Lab ID	:	**CP-2016-06-28-01**	**Date: 02-07-16**
Customer	:	Assistant Executive Engineer, Shettyhalli Sub Division, BBMP, Bangalore.	
Address	:	Shettyhalli Sub Division, BBMP, Bangalore.	
Project Name	:	Emergency Grant in ward No.12 (Repairs to Culverts and drain in ward No.12 of Shettyhalli Sub -Division.	
Agency	:	Technical Manager(west), KRIDL, Project Implementation unit, No.280,59th cross, 17th 'C' Main Road, 3rd 'Y' Block, Rajajinagar. Bangalore-560010.	
Sourse of Sample	:	Sample supplied by Agency	
Sample Condition	:	Satisfactory	
Date of Receipt	:	28-06-16	
Sample ID No	:	2016-06-28-01/05	
Sample Type	:	Indus, Fe500	
Reference to BIS codes	:	IS 1786-2008	
Date of test:	:	29-06-16	

Sl.No	Identification of sample	Grade of the sample	Diameter of the steel bar	Weight of the sample (kg/m)	Yield stress (N/mm^2)	Tensile strength (N/mm^2)	Elongation (%)
1	Indus	Fe500	10mm	0.613	544	658	21%

Sl.No	Identification of sample	Grade of the sample	Diameter of the steel bar	Bend test	Rebend test
1	Indus	Fe500	10mm	Satisfactory	Satisfactory

Note

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R KARTHIK RECHAN
Authorized Signature
Quality Manager

Prepared By:
Harshitha

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ಎಸ್.ಎಂ. ರಸ್ತೆ, ಮಲ್ಲೇಶ್ವರಂ, ಬೆಂಗಳೂರು

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TEST RESULTS OF STEEL

Lab ID	:	**CP-2016-06-28-01**	**Date: 02-07-16**
Customer	:	Assistant Executive Engineer, Shettyhalli Sub Division, BBMP, Bangalore.	
Address	:	Shettyhalli Sub Division, BBMP, Bangalore.	
Project Name	:	Emergency Grant in ward No.12 (Repairs to Culverts and drain in ward No.12 of Shettyhalli Sub -Division.	
Agency	:	Technical Manager(west), KRIDL, Project Implementation unit, No.280,59th cross, 17th 'C' Main Road, 3rd 'Y' Block, Rajajinagar. Bangalore-560010.	
Sourse of Sample	:	Sample supplied by Agency	
Sample Condition	:	Satisfactory	
Date of Receipt	:	28-06-16	
Sample ID No	:	2016-06-28-01/04	
Sample Type	:	Indus, Fe500	
Reference to BIS codes	:	IS 1786-2008	
Date of test:	:	29-06-16	

Sl.No	Identification of sample	Grade of the sample	Diameter of the steel bar	Weight of the sample (kg/m)	Yield stress (N/mm^2)	Tensile strength (N/mm^2)	Elongation (%)
1	Indus	Fe500	8mm	0.388	528	611	19.5%

Sl.No	Identification of sample	Grade of the sample	Diameter of the steel bar	Bend test	Rebend test
1	Indus	Fe500	8mm	Satisfactory	Satisfactory

Note

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